

Re: [opensuse] nfs server /require/ reverse DNS lookup working?!

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- *From:* Ken <ken@xxxxxxxxxxxxxxxx>
 - *Date:* Thu, 12 Apr 2007 10:18:43 -0500
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Hi Zhang,
Sorry it took a few days to reply.

On Tue, 2007-04-10 at 21:08 +0800, Zhang Weiwu wrote:

On Mon, 2007-04-09 at 22:14 -0500, Ken Gramm wrote:

Hello Zhang,
Have you considered that it might actually be a security issue? When you installed the MS SFU NFS client how did you answer the Username Mapping Server question?

I totally do not understand username mapping server and I am not sure if I need it.

As the name implies, the username mapping server is used to match Windows user ID's to your *nix user ID (i.e. SID to UID matching). Without it, your Windows client will not be able to provide the NFS server with the proper UID.

If your Windows box gets it's username from a Domain, you'll need to install the mapping server on one of your DCs and then point your workstation to the correct server. If it is a stand-alone machine (or if your using a local account), you'll need to install the username mapping locally.

As I am setting up read-only NFS exports applying restriction only on IP addresses, I just think perhaps I can forget all these authentication and authorization things. However so far I could not successfully connect SFU to ANY nfs server in my office, I tried opensuse, gentoo Linux and FreeBSD. SFU always ends up with a message from SFU: "Network Path Not Found." I tried these to get around the error message, all failed:

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How are you trying to connect to the NFS server? For me, I just right click on "My Network Places" and select "Map Network Drive". Then I enter the path (i.e. \\servername\share_name). When you click OK, you should get a "NFS Login Successful" dialog box that summarizes your current login credentials and asks if you'd like to accept the current login or change your login settings. Once finished, you should have a drive mapped to your NFS share.

1. use IP address in /etc/exports rather than hostname or wildcard
2. supply no_auth_nlm to Linux's /etc/exports (FreeBSD I cannot find this parameter);
3. switch between TCP and UDP on SFU;

The last thing I didn't try is to set up reverse DNS lookup, which is impossible because the whole campus have been running without reverse DNS for a lot of years and it will not be changed because I want it to change.

I'll admit that I've always use reverse DNS, but if you enter the machines into the hosts file you should get the same effect.

Good luck!

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